

ATTORNEY'S DOCKET NO.: 2004647-0011

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Collins, *et al.* Examiner:
Serial No.: 10/506,734 Art Unit:
Filed: March 5, 2003
For: SYSTEMS AND METHODS FOR REVERSE ENGINEERING MODELS OF
BIOLOGICAL NETWORKS

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

Sir:

WRITTEN ASSERTION OF SMALL ENTITY STATUS
UNDER 37 CFR §1.27(a)(3)
NON-PROFIT ORGANIZATION


The undersigned hereby asserts entitlement to small entity status as a non-profit organization under 37 CFR §1.27(a)(3) on behalf of Trustees of Boston University.

This assertion is made on the ground that Trustees of Boston University is either:

- (a) a university or other institution of higher education located in any country;
- (b) an organization of the type described in section 501(c)(3) of the Internal Revenue Code of 1986 (26 USC §501(c)(3)) and exempt from taxation under section 501(a) of the Internal Revenue Code (26 USC §501(a));
- (c) any nonprofit scientific or educational organization qualified under a nonprofit organization statute of a state of this country (35 USC §201(i)); or
- (d) any nonprofit organization, located in a foreign country, that would qualify as a nonprofit organization under paragraphs (b) or (c) above if it were located in this country,

and *has not* assigned, granted, conveyed, or licensed, and is under no obligation under contract or law to assign, grant, convey, or license, any rights in the above-referenced patent application to any party who does not qualify for small entity status either as a person, a small business concern, or a nonprofit organization under 37 CFR §1.27.

Respectfully Submitted,


Name: Martin J. Howard
Title: Assistant Treasurer
Date: May 17, 2005

DECLARATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SYSTEMS AND METHODS FOR REVERSE ENGINEERING MODELS OF BIOLOGICAL NETWORKS

the specification of which (I authorize Choate, Hall & Stewart to check one of the following, three choices, and fill in the blanks, if applicable):

_____ is attached hereto

X was filed on September 3, 2004 as Serial No. 10/506,734 and amended on _____ (if applicable).

_____ was filed as PCT international application No. _____, on _____ and was amended under PCT Article 19 on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledged the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Priority Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year/Filed)	_____ Yes	_____ No
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_____ (Number)	_____ (Country)	_____ (Day/Month/Year/Filed)	_____ Yes	_____ No
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I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America listed below

and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.) (filing date) (status-patented, pending, abandoned)

PCT Applications designating the United States:

PCT/US03/06491 **March 5, 2003**

(PCT Appl. No.) (filing date) (status-patented, pending, abandoned)

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national filing date of this application.

Provisional Application(s):

(Application Number) (Filing Date) (Status-patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United State Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of first inventor Timothy S. Gardner

Inventor's signature _____ Date: _____

Residence 993 Greendale Avenue, Needham, MA 02492 MA

Citizenship US

Post Office Address Same

Full name of second inventor James J. Collins

Inventor's signature _____ Date: _____

Residence 118 Glen Avenue, Newton, MA 02459

Citizenship U.S.

Post Office Address Same

Full name of third inventor Diego di Bernardo

Inventor's signature _____ Date: _____

Residence Largo Francesco Torraca 71, Naples 80133, Italy

Citizenship Italian

Post Office Address Same

Full name of fourth inventor Jesper Tegner

Inventor's signature _____ Date: _____

Residence Karlavagen 90, S-115 22 Stockholm, Sweden

Citizenship Swedish

Post Office Address Same

*NON-SIGNING
INVENTOR*

Full name of fifth inventor Man Kit Stephen Yeung

Inventor's signature _____ Date: May 21, 2005

Residence 1703 East 1030 North, Logan, Utah 84341

Citizenship Hong Kong

Post Office Address Same

DECLARATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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_____ (Number)	_____ (Country)	_____ (Day/Month/Year/Filed)	Yes	No
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Full name of first inventor Timothy S. Gardner

Inventor's signature [Signature] Date: 5/16/05

Residence 993 Greendale Avenue, Needham, MA 02492 MA

Citizenship US

Post Office Address Same

Full name of second inventor James J. Collins

2nd Inventor's signature _____

Date: _____

Residence 118 Glen Avenue, Newton, MA 02459

MA

Citizenship U.S.

Post Office Address Same

Full name of third inventor Diego di Bernardo

3rd Inventor's signature _____

Date: _____

Residence Largo Francesco Torraca 71, Naples 80133, Italy

IT. X

Citizenship Italian

Post Office Address Same

Full name of fourth inventor Jesper Tegner

4th Inventor's signature _____

Date: _____

Residence Karlavagen 90, S-115 22 Stockholm, Sweden

SEX

Citizenship Swedish

Post Office Address Same

Full name of fifth inventor Man Kit Stephen Yeung

5th Inventor's signature _____

Date: _____

Residence Utah State University, Department of Mathematics, 3900 Old Main Road, Room

Lund 305, Logan, Utah 84322-3900

UT

Citizenship _____

Post Office Address Same

DECLARATION

As a below named inventor, I hereby declare that:

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Full name of first inventor Timothy S. Gardner

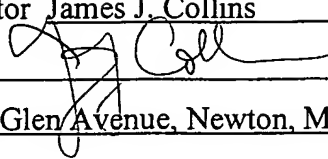
Inventor's signature _____ Date: _____

Residence 993 Greendale Avenue, Needham, MA 02492

Citizenship US

Post Office Address Same

Full name of second inventor James J. Collins

Inventor's signature 

Date: 2 June 2005

Residence 118 Glen Avenue, Newton, MA 02459

Citizenship U.S.

Post Office Address Same

Full name of third inventor Diego di Bernardo

Inventor's signature _____

Date: _____

Residence Largo Francesco Torraca 71, Naples 80133, Italy

Citizenship Italian

Post Office Address Same

Full name of fourth inventor Jesper Tegner

Inventor's signature _____

Date: _____

Residence Karlavagen 90, S-115 22 Stockholm, Sweden

Citizenship Swedish

Post Office Address Same

Full name of fifth inventor Man Kit Stephen Yeung

Inventor's signature _____

Date: _____

Residence Utah State University, Department of Mathematics, 3900 Old Main Road, Room
Lund 305, Logan, Utah 84322-3900

Citizenship _____

Post Office Address Same

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Provisional Application(s):

(Application Number) (Filing Date) (Status-patented, pending, abandoned)

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Full name of first inventor Timothy S. Gardner

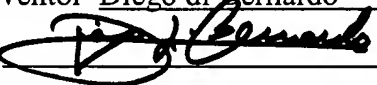
Inventor's signature _____ Date: _____

Residence 993 Greendale Avenue, Needham, MA 02492

Citizenship US

Post Office Address Same

Full name of second inventor James J. Collins
Inventor's signature _____ Date: _____
Residence 118 Glen Avenue, Newton, MA 02459
Citizenship U.S.
Post Office Address Same

Full name of third inventor Diego di Bernardo
Inventor's signature  Date: 5/20/2005
Residence Largo Francesco Torraca 71, Naples 80133, Italy
Citizenship Italian
Post Office Address Same

Full name of fourth inventor Jesper Tegner
Inventor's signature _____ Date: _____
Residence Karlavagen 90, S-115 22 Stockholm, Sweden
Citizenship Swedish
Post Office Address Same

Full name of fifth inventor Man Kit Stephen Yeung
Inventor's signature _____ Date: _____
Residence Utah State University, Department of Mathematics, 3900 Old Main Road, Room
Lund 305, Logan, Utah 84322-3900
Citizenship _____
Post Office Address Same

ATTORNEY'S DOCKET NO.: 2004647-0011

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Collins, *et al.* Examiner:
Serial No.: 10/506,734 Art Unit:
Filed: March 5, 2003
For: SYSTEMS AND METHODS FOR REVERSE ENGINEERING MODELS OF
BIOLOGICAL NETWORKS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

APPOINTMENT OF ATTORNEY

The undersigned hereby appoints:

The attorneys/agents associated with Customer No. 24280 as its attorneys and agents for prosecution of matters relating to the above-identified patent application and to conduct all business in the United States Patent and Trademark Office.

All correspondence should be sent to:

Monica R. Gerber
Patent Department
Choate, Hall & Stewart
Exchange Place, 53 State Street,
Boston, Massachusetts 02109

Respectfully Submitted,



Name: Martin J. Howard
Title: Assistant Treasurer
Date: May 17, 2005

On Behalf of: Trustees of Boston University

ATTORNEY'S DOCKET NO.: 2004647-0011

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Collins, *et al.* Examiner:
 Serial No.: 10/506,734 Art Unit:
 Filed: March 5, 2003
 For: SYSTEMS AND METHODS FOR REVERSE ENGINEERING MODELS OF
 BIOLOGICAL NETWORKS

Commissioner For Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

ESTABLISHING RIGHT OF ASSIGNEE TO TAKE ACTION
(37 CFR § 3.73(b))

The inventors of the above-referenced United States patent application have assigned their entire right, title, and interest in the inventions disclosed therein according to the following table:

Inventor	Assignee
Timothy S. Gardner	Trustees of Boston University
James J. Collins	Trustees of Boston University
Diego di Bernardo	Trustees of Boston University
Jesper Tegner	Trustees of Boston University
Man Kit Stephen Yeung	Trustees of Boston University

Thus, the Assignee of the inventors' entire right, title, and interest are:

Trustees of Boston University

According to 37 CFR § 3.73(b), the Assignee is entitled to take action relating to the application in the Patent and Trademark Office if the Assignee establishes ownership to the satisfaction of the Commissioner.

Ownership by the assignee is established as follows:

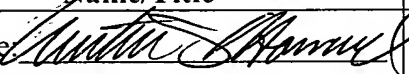

_____ documents already recorded in the PTO on _____.

Reel _____ Frame _____; and

X documents separately submitted for recordal to the PTO (a copy of these documents are attached).

STATEMENT

I, person(s) authorized to sign on behalf of the Assignee, have reviewed the evidentiary documents referred to above and certify that, to the best of my knowledge and belief, title is mine/ours as Assignee who seeks to take further action.

Name/Title		Assignee	Date
Signature		Trustees of Boston University	
Name:	Martin J. Howard		
Title:	Assistant Treasurer		

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned **Timothy S. Gardner** of Needham, MA; **James J. Collins** of Newton, MA; **Diego di Bernardo** of Naples, Italy; **Jesper Tegner** of Stockholm, Sweden; and **Man Kit Stephen Yeung** of Logan, Utah, hereby

Sells, assigns and transfers to **Trustees of Boston University**, having a place of business at **One Sherborn Street, Boston, MA 02215**, its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE, their entire right, title and interest for the United States and all foreign countries; in and to any and all inventions which are disclosed in the application for United States Letters Patent entitled "**Systems and Methods for Reverse Engineering Models of Biological Networks**" filed **September 3, 2004**, and given serial number **10/506,734**, in and to said application and all divisional, continuing, substitute, renewal, reissue, reexamination or other application for Letters Patent which has been or shall be filed in the United States or any foreign country on any of said inventions, and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

Agrees that said ASSIGNEE may apply for and receive Letters Patent for said inventions in its own name and when requested, without charge to but at the expense of said ASSIGNEE, agrees to carry out in good faith the intent and purpose of this Assignment by executing all divisional, continuing, substitute, renewal, reissue, reexamination and all other patent applications on any and all said inventions; by executing all rightful declarations, oaths, assignments and other papers; by communicating to said ASSIGNEE all facts known to them relating to said inventions and the history thereof, and generally by doing everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said ASSIGNEE. Each of the undersigned also hereby appoints ASSIGNEE as its common agent for purposes of prosecuting international patent applications and any material patent applications for which such common agency is recognized.

Hereby requests the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

Covenants with said ASSIGNEE that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by them and that full right to convey the same as herein expressed is possessed by them.

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
_____ this _____ day of _____, 2005.

Timothy S. Gardner

STATE OF _____
SS.
COUNTY OF _____

Before me this _____ day of _____, 2005, personally appeared
Timothy S. Gardner known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires:

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
_____ this _____ day of _____, 2005.

James J. Collins

STATE OF _____
SS.
COUNTY OF _____

Before me this _____ day of _____, 2005, personally appeared
James J. Collins known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires:

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
_____ this _____ day of _____, 2005.

Diego di Bernardo

STATE OF _____
SS.
COUNTY OF _____

Before me this _____ day of _____, 2005, personally appeared
Diego di Bernardo known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires:

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
_____ this _____ day of _____, 2005.

Jesper Tegner

STATE OF _____
SS.
COUNTY OF _____

Before me this _____ day of _____, 2005, personally appeared
Jesper Tegner known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires:

IN WITNESS WHEREOF, I hereto set my hand and seal at 41 E 400 N LOGAN UT,
84301 this 16 day of MAY, 2005.


Man Kit Stephen Yeung

STATE OF UTAH
SS.
COUNTY OF CACHE

Before me this 16 day of MAY, 2005, personally appeared
Man Kit Stephen Yeung known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

NOTARY PUBLIC



[Notary's Seal Here]

My Commission Expires: 05-19-2008



ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned **Timothy S. Gardner** of Needham, MA; **James J. Collins** of Newton, MA; **Diego di Bernardo** of Naples, Italy; **Jesper Tegner** of Stockholm, Sweden; and **Man Kit Stephen Yeung** of Logan, Utah, hereby

Sells, assigns and transfers to **Trustees of Boston University**, having a place of business at **One Sherborn Street, Boston, MA 02215**, its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE, their entire right, title and interest for the United States and all foreign countries; in and to any and all inventions which are disclosed in the application for United States Letters Patent entitled "**Systems and Methods for Reverse Engineering Models of Biological Networks**" filed **September 3, 2004**, and given serial number **10/506,734**, in and to said application and all divisional, continuing, substitute, renewal, reissue, reexamination or other application for Letters Patent which has been or shall be filed in the United States or any foreign country on any of said inventions, and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

Agrees that said ASSIGNEE may apply for and receive Letters Patent for said inventions in its own name and when requested, without charge to but at the expense of said ASSIGNEE, agrees to carry out in good faith the intent and purpose of this Assignment by executing all divisional, continuing, substitute, renewal, reissue, reexamination and all other patent applications on any and all said inventions; by executing all rightful declarations, oaths, assignments and other papers; by communicating to said ASSIGNEE all facts known to them relating to said inventions and the history thereof, and generally by doing everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said ASSIGNEE. Each of the undersigned also hereby appoints ASSIGNEE as its common agent for purposes of prosecuting international patent applications and any material patent applications for which such common agency is recognized.

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Covenants with said ASSIGNEE that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by them and that full right to convey the same as herein expressed is possessed by them.

IN WITNESS WHEREOF, I hereto set my hand and seal at Boston University,
this 16th day of MAY, 2005.


Timothy S. Gardner

County
STATE OF MASS SS.
COUNTY OF Suffolk

Before me this 16 day of 5, 2005, personally appeared
Timothy S. Gardner known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.


NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires:

JOSEPH S. PRECOPIO Notary Public Commonwealth of Massachusetts My Commission Expires February 12, 2010
--

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
this _____ day of _____, 2005.

James J. Collins

STATE OF _____ SS.
COUNTY OF _____

Before me this _____ day of _____, 2005, personally appeared
James J. Collins known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires:

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
_____ this _____ day of _____, 2005.

Diego di Bernardo

STATE OF _____
SS.

COUNTY OF _____

Before me this _____ day of _____, 2005, personally appeared
Diego di Bernardo known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires:

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
_____ this _____ day of _____, 2005.

Jesper Tegner

STATE OF _____
SS.

COUNTY OF _____

Before me this _____ day of _____, 2005, personally appeared
Jesper Tegner known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires:

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
_____ this _____ day of _____, 2005.

Man Kit Stephen Yeung

STATE OF _____
SS.

COUNTY OF _____

Before me this _____ day of _____, 2005, personally appeared
Man Kit Stephen Yeung known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires:

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned **Timothy S. Gardner** of Needham, MA; **James J. Collins** of Newton, MA; **Diego di Bernardo** of Naples, Italy; **Jesper Tegner** of Stockholm, Sweden; and **Man Kit Stephen Yeung** of Logan, Utah, hereby

Sells, assigns and transfers to **Trustees of Boston University**, having a place of business at **One Sherborn Street, Boston, MA 02215**, its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE, their entire right, title and interest for the United States and all foreign countries; in and to any and all inventions which are disclosed in the application for United States Letters Patent entitled "**Systems and Methods for Reverse Engineering Models of Biological Networks**" filed **September 3, 2004**, and given serial number **10/506,734**, in and to said application and all divisional, continuing, substitute, renewal, reissue, reexamination or other application for Letters Patent which has been or shall be filed in the United States or any foreign country on any of said inventions, and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

Agrees that said ASSIGNEE may apply for and receive Letters Patent for said inventions in its own name and when requested, without charge to but at the expense of said ASSIGNEE, agrees to carry out in good faith the intent and purpose of this Assignment by executing all divisional, continuing, substitute, renewal, reissue, reexamination and all other patent applications on any and all said inventions; by executing all rightful declarations, oaths, assignments and other papers; by communicating to said ASSIGNEE all facts known to them relating to said inventions and the history thereof, and generally by doing everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said ASSIGNEE. Each of the undersigned also hereby appoints ASSIGNEE as its common agent for purposes of prosecuting international patent applications and any material patent applications for which such common agency is recognized.

Hereby requests the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

Covenants with said ASSIGNEE that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by them and that full right to convey the same as herein expressed is possessed by them.

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
_____ this _____ day of _____, 2005.

Timothy S. Gardner

STATE OF _____
SS.
COUNTY OF _____

Before me this _____ day of _____, 2005, personally appeared
Timothy S. Gardner known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

NOTARY PUBLIC

[Notary's Seal Here]

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James J. Collins

STATE OF _____
SS.
COUNTY OF _____

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NOTARY PUBLIC

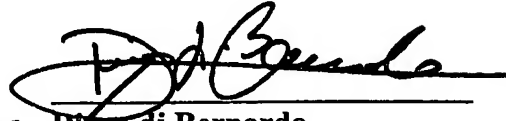
[Notary's Seal Here]

My Commission Expires:

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
_____ this _____ day of _____, 2005.

WITNESS 1: GUSY DELLA GATA
Gusy Della Gata 05/23/2005

WITNESS 2: GRACIANA DIEZ ROUX 05/23/2005
Graciana Diez Roux



05/23/2005

Diego di Bernardo

STATE OF _____
_____ SS.
COUNTY OF _____

Before me this _____ day of _____, 2005, personally appeared
Diego di Bernardo known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires:

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
_____ this _____ day of _____, 2005.

Jesper Tegner

STATE OF _____
_____ SS.
COUNTY OF _____

Before me this _____ day of _____, 2005, personally appeared
Jesper Tegner known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires:

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
_____ this _____ day of _____, 2005.

Man Kit Stephen Yeung

STATE OF _____
SS.

COUNTY OF _____

Before me this _____ day of _____, 2005, personally appeared
Man Kit Stephen Yeung known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

NOTARY PUBLIC

[Notary's Seal Here]

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Sells, assigns and transfers to **Trustees of Boston University**, having a place of business at **One Sherborn Street, Boston, MA 02215**, its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE, their entire right, title and interest for the United States and all foreign countries; in and to any and all inventions which are disclosed in the application for United States Letters Patent entitled "**Systems and Methods for Reverse Engineering Models of Biological Networks**" filed **September 3, 2004**, and given serial number **10/506,734**, in and to said application and all divisional, continuing, substitute, renewal, reissue, reexamination or other application for Letters Patent which has been or shall be filed in the United States or any foreign country on any of said inventions, and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

Agrees that said ASSIGNEE may apply for and receive Letters Patent for said inventions in its own name and when requested, without charge to but at the expense of said ASSIGNEE, agrees to carry out in good faith the intent and purpose of this Assignment by executing all divisional, continuing, substitute, renewal, reissue, reexamination and all other patent applications on any and all said inventions; by executing all rightful declarations, oaths, assignments and other papers; by communicating to said ASSIGNEE all facts known to them relating to said inventions and the history thereof, and generally by doing everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said ASSIGNEE. Each of the undersigned also hereby appoints ASSIGNEE as its common agent for purposes of prosecuting international patent applications and any material patent applications for which such common agency is recognized.

Hereby requests the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

Covenants with said ASSIGNEE that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by them and that full right to convey the same as herein expressed is possessed by them.

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
_____ this _____ day of _____, 2005.

Timothy S. Gardner

STATE OF _____
SS.
COUNTY OF _____

Before me this _____ day of _____, 2005, personally appeared
Timothy S. Gardner known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires:

IN WITNESS WHEREOF, I hereto set my hand and seal at Boston University,
Boston, MA this 3 day of JUNE, 2005.

James J. Collins
James J. Collins

STATE OF Massachusetts
SS.
COUNTY OF Suffolk

Before me this 3 day of June, 2005, personally appeared
James J. Collins known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

NOTARY PUBLIC

My Commission Expires



AIDA E. TEN
Notary Public
Commonwealth of Massachusetts
My Commission Expires
November 10, 2011

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
_____ this _____ day of _____, 2005.

Diego di Bernardo

STATE OF _____
SS.

COUNTY OF _____

Before me this _____ day of _____, 2005, personally appeared
Diego di Bernardo known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires:

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
_____ this _____ day of _____, 2005.

Jesper Tegner

STATE OF _____
SS.

COUNTY OF _____

Before me this _____ day of _____, 2005, personally appeared
Jesper Tegner known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires:

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
_____ this _____ day of _____, 2005.

Man Kit Stephen Yeung

STATE OF _____
SS.

COUNTY OF _____

Before me this _____ day of _____, 2005, personally appeared
Man Kit Stephen Yeung known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires: